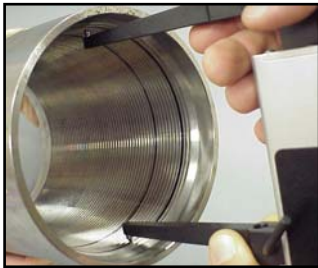


# Internal Taper Gage Thread Taper

**IT-6000**  
**IT-6001**



**IT-6000      IT-6001**  
**Internal Taper Gages**



**IT-6000 Inspects Thread Taper**



**IT-6001 Inspects Thread Taper**

## HOW TO ORDER

1. Select the IT-6000 or IT-6001 gage model.
2. If other than .072" contact points are needed for the application, select the proper contact points based on the type of connection and pitch/TPI (sold individually).

The IT-6000 Series of gages inspect variations in connection taper of internal threads ranging from 1 ½"-24" for API threads. Each model covers a specific range of connection sizes, making the IT-6000 gages very versatile and economical.

The IT-6000 gages use precision contact points that seat in the thread of the part during inspection. The gage's indicator reports actual measurement readings. Each gage is shipped with .072" diameter contact points, however; each set of contact points is interchangeable to allow measuring different thread forms. Contact point diameters are manufactured to tolerances of ±.0002". The pitch of the thread and type of thread form determine the diameter of the contact points required for taking measurements.

The IT-6000 gage requires no setting master to inspect parts. The contact points are seated in the threads of the part and the gage is properly positioned by sweeping to obtain the largest indicator reading. Taking measurements in two different locations one inch apart, along the length of the thread, will detect any variations in taper.

## Features

- Inspects external threads for API thread forms ranging from 1 ½" – 24".
- Uses interchangeable contact points to allow inspection on a variety of thread forms.
- Requires no setting master.

## IT-6000 & IT-6001 Taper Gage

Model No.	Description	Range
IT-6000	Internal Taper Gage	1 ½" – 9" Diameter, 4 ½" Depth
IT-6001	Internal Taper Gage	4 ½" – 24" Diameter, Any Depth

## IT-6000 and 6001 Taper Gage Contact Points (Sold Individually)

These contact points inspect the thread taper of API thread forms. Two required per gage.

Model Number	Connection Type	Point Diameter	Threads per Inch
T235	Hughes Slim Line H-90	0.235"	3
T200	All Hughes H-90	0.200"	3 ½
T144	API Rotary Shouldered Connections	0.144"	4
T128	API Rotary Shouldered Connections	0.128"	4 ½
T115	API Rotary Shouldered Connections	0.115"	5
T105T	Truncated for Extreme Line	0.105"	5 ½
T096	API Rotary Shouldered Connections	0.096"	6
T072	API Tubing, Casing and Line Pipe	0.072"	8
T062	Buttress Casing - Lead	0.062"	5
T057	API Tubing and Line Pipe	0.057"	10
T050	API Line Pipe	0.050"	11 ½
T041	API Line Pipe	0.041"	14
T032	API Line Pipe	0.032"	18
T021	API Line Pipe	0.021"	27

## IT-6000 Replacement Parts

Model Number	Description	Length
IT-6000-07	Replacement Arm Set	4 ¼"



# Internal Taper Gage Thread Taper

IT-6000  
IT-6001

## IT-6001 Replacement Parts

The extensions listed below have #10-40 threads.

Model Number	Description	Length
IT-6001-01M	Cap (Mitutoyo indicator-model number begins with M)	N/A
IT-6001-01C	Cap (CDI indicator-model number begins with C)	N/A
IT-6001-04	Point Adapter	.062"
IT-6001-05	Point Adapter	.200"
IT-6001-06	5" Extension	.410"
IT-6001-07	5 1/2" Extension	.908"
IT-6001-09	6 5/8" Extension	2.030"
IT-6001-10	7" Extension	2.400"
IT-6001-11	7 5/8" Extension	3.026"
IT-6001-12	8 5/8" Extension	4.032"
IT-6001-13	9 5/8" Extension	5.032"
IT-6001-14	10 3/4" Extension	6.154"
IT-6001-15	11 3/4" Extension	7.154"
IT-6001-16	13 3/8" Extension	8.781"

## Specifications

Model No.	Dimensions	Weights
IT-6000	12.5 in x 7.5 in X 2.75 in (317.5 mm X 190.5 mm X 69.85 mm)	2.5 lb. (1.13 kg)
IT-6001	5.0 in x 2.25 in X 1.0 in (127.0 mm X 57.15 mm X 25.4 mm)	0.5 lb. (0.23 kg)

